44.   The apparatus of claim 41, further comprising means for determining one of a through-plane thickness or a volume of the sample field.

45.   An apparatus for testing a sample of biologic fluid, said apparatus comprising:

5   a container having a chamber for quiescently holding the sample during the test, and one or more features operable to enable the testing of the sample, wherein at least one of the one or more features is positioned at a known spatial location within the chamber; and

a reader module operable to perform the testing of the sample, wherein the reader module includes a field illuminator for selectively illuminating a field of the sample quiescently

10   residing within the chamber during the test, and a positioner that is operable to selectively change the position of one of the chamber or the field illuminator relative to the other of the chamber or the field illuminator, to align the field illuminator with the field of the sample in which the at least one feature at the known spatial location within the chamber is positioned.

46.   The apparatus of claim 45, further comprising means for determining one of a through-

15   plane thickness or a volume of the sample field.

ABSTRACT OF THE DISCLOSURE

An apparatus for analyzing a sample of biologic fluid quiescently residing within a chamber is provided. The apparatus includes a light source, a positioner, a mechanism for determining the volume of a sample field, and an image dissector. The light source is operable

5   to illuminate a sample field of known, or ascertainable, area. The positioner is operable to selectively change the position of one of the chamber or the light source relative to the other, thereby permitting selective illumination of all regions of the sample. The mechanism for determining the volume of a sample field can determine the volume of a sample field illuminated by the light source. The image dissector is operable to convert an image of light

10   passing through or emanating from the sample field into an electronic data format.